

## PATENT COOPERATION TREATY

PCT

**NOTIFICATION CONCERNING  
THE FILING OF AMENDMENTS OF THE CLAIMS**  
(PCT Administrative Instructions, Section 417)

From the INTERNATIONAL BUREAU

To:

PARK, Wonyong  
5 Floor, Shinwon Bldg.  
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Seoul 135-933  
Republic of Korea

<b>Date of mailing</b> (day/month/year) 09 September 2005 (09.09.2005)	<b>IMPORTANT NOTIFICATION</b>
<b>Applicant's or agent's file reference</b> 2005OC-701KR	
<b>International application No.</b> PCT/KR2005/000400	<b>International filing date</b> (day/month/year) 14 February 2005 (14.02.2005)
<b>Applicant</b> KTURBO, INC. et al	

1. The applicant is hereby notified that amendments to the claims under Article 19 were received by the International Bureau on:

31 August 2005 (31.08.2005)

2. This date is within the time limit under Rule 46.1.

Consequently, the international publication of the international application will contain the amended claims according to Rule 48.2(f), (h) and (i).

3. The applicant is reminded that the international application (description, claims and drawings) may be amended during the international preliminary examination under Chapter II, according to Article 34, and in any case, before each of the designated Offices, according to Article 28 and Rule 52, or before each of the elected Offices, according to Article 41 and Rule 78.

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2005. 10. 05

TECHVIL International

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 7090	<b>Authorised officer</b>  Sudha RAMAKRISHNAN Telephone No. (41-22) 338 8516
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# TECHVIL INTERNATIONAL PATENT & LAW FIRM

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August 22, 2005

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Re: **Amendment under Article 19**  
PCT/KR2005/000400 filed on Feb. 14, 2005  
Applicant: KTURBO, INC. et al  
Title: Compressor  
Our Ref. No.: 2005OC-701KR

Dear Sirs or Mesdames:

Under Article 19 of PCT, the applicants herewith submit an amendment to claims as enclosed replacement sheet. The claim amendment includes the followings:

1. Claim 1 is amended as original claim 3 has been incorporated into claim 1.
2. Claim 2 is unchanged.
3. Claim 3 is cancelled.

We would like the above-identified International Patent Application to be published with the amendment of the claims under Article 19.

We kindly ask you to acknowledge the receipt of this letter with the enclosure.

Very truly yours,

TECHVIL INTERNATIONAL  
PATENT & LAW FIRM



Wonyong PARK  
Agent, Patent attorney

WYP/msk  
Enclosure

What Is Claimed Is:

1. (amended) A radial foil bearing comprising:
  - a) a top foil 1 satisfying condition represented by an equation  $t \geq 0.1 \cdot D^{0.33}$  (wherein  $t$  is the thickness(mm),  $D$  is the diameter of a shaft(mm)).
  - b) a key 2 welded to a cut portion of the top foil 1;
  - c) an inner bump foil 3 disposed outwards of the top foil, the inner bump being formed of a wider and higher bump and a narrower and lower bump alternately arranged;
  - d) an outer bump foil 4 disposed outwards of the center of the wider and higher bump of the inner bump foil 3; the outer bump having a height lower than that of the narrower and lower bump of the inner bump foil 3;
  - e) a bump sheet 5 for fixing the inner bump 3 and the outer bump 4; and
  - f) a bearing housing 6 disposed outwards of the bump sheet 5 and having a key groove 7.
2. The radial foil bearing according to claim 1, wherein the inner diameter of the top foil 1 is coated with a metallic dry lubricant, and then ground, so that a dry lubricant not requiring a strong adhesiveness can be used.
3. (cancelled)